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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/683,093	11/16/2001	Roland R. Thompson	FLD0001-CIP2	8060
27510	7590	07/07/2005	EXAMINER	
KILPATRICK STOCKTON LLP 607 14TH STREET, N.W. WASHINGTON, DC 20005			COLON, CATHERINE M	
			ART UNIT	PAPER NUMBER
			3623	

DATE MAILED: 07/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/683,093

Applicant(s)

THOMPSON ET AL.

Examiner

C. Michelle Colon

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 16 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 9-16, 21-23 and 25-36 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 9-16, 21-23 and 25-36 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 1/15/02, 2/12/02, 3/2/04, 5/19/05, 8/8/03
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. The following is a Non-Final Office Action in response to the communication received on November 16, 2001. Claims 1-8, 17-20 and 24 have been canceled and claims 28-36 added in a preliminary amendment received on March 2, 2004. Claims 9-16, 21-23 and 25-36 are now pending in this application.

### ***Information Disclosure Statement***

2. The examiner has reviewed the patents and publications supplied in the Information Disclosure Statements (IDS) received on January 15, 2002, February 12, 2002, August 8, 2003, March 2, 2004 and May 19, 2005.

### ***Double Patenting***

3. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

4. Claims 22, 23, 26-28, 32 and 36 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 3 and 6 of U.S.

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Patent No. 6,675,151. Although the conflicting claims are not identical, they are not patentably distinct from each other because claims 22, 23, 26-28, 32 and 36 each contain obvious modifications to claims 3 or 6 of U.S. Patent No. 6,675,151.

As per claims 22, 23, 26-28, 32 and 36 of the instant application, the claims do not recite first receiving absentee information representing absent workers as recited in claims 3 and 6 of U.S. Patent No. 6,675,151, thus making claims 22, 23, 26-28, 32 and 36 broader. At the time of the invention, it would have been obvious to a person of ordinary skill in the art to omit the step of receiving absentee information if the step was not desired or required as part of the overall invention. See MPEP 2144.04, II, A.

Additionally, as per claim 23 of the instant application, the claim replaces the word, Internet, in claim 3 of U.S. Patent No. 6,675,151 for the phrase, instant messaging. It is old and well known in the art that instant messaging is a type of communication able to be performed over a network such as the Internet. Thus, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to replace Internet for instant messaging as doing so covers a particular type of communication that uses Internet technology, thus expanding the application of the instant invention.

Additionally, as per claim 27 of the instant application, the claim recites a computer readable medium that essentially performs the steps recited in claim 3 of U.S. Patent No. 6,675,151. At the time of the invention, it would have been obvious to recite a computer readable medium that performs the steps of a claimed method since doing so simply covers another statutory class.

***Claim Rejections - 35 USC § 101***

5. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

6. Claim 21 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

The basis of this rejection is set forth in a two-prong test of:

- (1) whether the invention is within the technological arts; and
- (2) whether the invention produces a useful, concrete, and tangible result.

As per the first prong of the test, for a claimed invention to be statutory, the claimed invention must be within the technological arts. Mere ideas in the abstract (i.e., abstract idea, law of nature, natural phenomena) that do not apply, involve, use, or advance the technological arts fail to promote the "progress of science and the useful arts" (i.e., the physical sciences as opposed to social sciences) and therefore are found to be non-statutory subject matter. For a process claim to be satisfactory, the recited process must somehow apply, involve, use, or advance the technological arts.

In the present case, the method of claim 21 merely recites the steps for receiving absentee information, generating substitute worker lists and contacting potential substitute workers; however, the recited steps do not apply, involve, use, or advance the technological arts since all of the recited steps can be performed manually by a person and without the need of a computer or other processing device. Additionally, even if the communication link was a telephone, the use of such technology is considered trivial, as the telephone could potentially be used to merely receive a call

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from a worker indicating their absence. The use of technology in the body of the claim must not be nominal or trivial.

As per the second prong of the test, for a claimed invention to be statutory, the claimed invention must produce a useful, concrete, and tangible result. In the present case, the claimed invention produces substitute worker lists (i.e., concrete) and contacts the substitute workers to fill in for an absent worker position (i.e., useful and tangible).

Although the recited process produces a useful, concrete, and tangible result, since the claimed invention, as a whole, is not within the technological arts as explained above, claim 21 is directed to non-statutory subject matter.

### ***Claim Rejections - 35 USC § 102***

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

8. Claims 9-16, 21 and 25 are rejected under 35 U.S.C. 102(a) as being anticipated by the Subfinder<sup>TM</sup> System (hereinafter, "Subfinder"). The following articles are used to explain the different aspects of the Subfinder reference:

- "Automated Substitute Finder System," from the Internet, Fall 1994 (hereinafter, reference A);
- "Computer calls for substitutes," from *The Sun*, Dec 15, 1994 (hereinafter, reference B);

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- “Telephony products enhance convenience, communication & distance learning,” from *THE Journal*, Feb 1996 (hereinafter, reference C); and
- “Substitute teacher shortage hits schools,” from the Internet, April 24, 1998 (hereinafter, reference D)

As per claim 9, Subfinder discloses a substitute fulfillment system that identifies and secures substitute workers for a plurality of different organizations comprising:

a database comprising worker records, said worker records having information associated with workers for each of the organizations, and substitute records, said substitute records having information associated with at least one substitute worker (reference A, paragraphs 2 and 5; reference D, paragraph 8; Subfinder utilizes a database that contains worker records where the workers are teachers and the worker records include teacher availability, teacher skills and teacher preferences. The teachers are associated with various schools within school districts.);

a server coupled to the database, the server is configured for:

receiving an absentee list of one or more absent workers from an organization via at least one communication link coupled to the server (reference A, paragraph 2; reference B, paragraph 1; Teachers call into the system and record their absences.);

generating in response to receiving the absentee list one or more lists of one or more potential substitute workers who can fill in for each absent worker on the absentee list using the worker records associated with the absent worker and



the substitute records (reference A, paragraph 2; reference B, paragraph 1; For each absent teacher, a list of qualified substitute teachers is generated and each substitute teacher is contacted to fill in for the absent teacher.); and

contacting potential substitute workers listed on each of the generated lists until one of the substitute workers in each of the generated lists agrees to fill in for the absent worker or until all of the generated lists are exhausted (reference A, paragraph 2; reference B, paragraphs 1 and 3; The system automatically contacts substitute teachers on the lists until the absent teacher position is filled or until the system has contacted everyone on the lists.).

As per claim 10, Subfinder discloses the substitute fulfillment system of claim 9 wherein each of the least one communication link is a link selected from the group consisting of a telephone communication link or an Internet communication link (reference A, paragraph 2; reference C, paragraph 6; Subfinder uses a telephone communication link to receive absentee information and to contact and secure substitute teachers for the absent positions.).

As per claim 11, Subfinder discloses the substitute fulfillment system of claim 9 wherein the server generates the list of one or more substitute workers using a preferred list of substitute workers associated with the worker record for the absent worker (reference A, paragraph 2; reference B, paragraphs 1 and 3; reference D, paragraph 8; Subfinder generates preferred lists of substitute teachers based on criteria such as substitute teachers the absent teacher has designated and skills/specialties/qualifications of substitute teachers.).



As per claim 12, Subfinder discloses the substitute fulfillment system of claim 9 wherein the server is further configured to generate a list of substitute workers and names of the absent workers who the substitute workers will be filling in for a given organization and to transmit the generated list of substitute workers and names of the absent workers who the substitute workers will be filling in for to the given organization via the at least one communication link (reference A, paragraphs 4 and 9; Principles and other administrators have the ability to call into the system to receive reports on absentee information as well as substitute teacher information. Reports can also be faxed.).

As per claim 13, Subfinder discloses the substitute fulfillment system of claim 9 further comprising an interactive voice response system controlled by the server for interacting with a potential substitute worker from the generated list of potential substitute workers via at least one telephone communication link whereby the potential substitute worker is secured for filling in for the absent worker (reference B, paragraphs 4-8; Absent and substitute teachers use a combination of voice and telephone number prompts to interact with Subfinder. Absent teachers indicate their absence and any other special messages for the substitute. Substitute teachers indicate a desire to accept or decline a job.).

As per claim 14, Subfinder discloses the substitute fulfillment system of claim 9 wherein the server is further configured to receive a message via the at least one communication link and to forward the received message to the substitute worker who agrees to fill in for the absent worker via the at least one communication link (reference

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B, paragraphs 4 and 5; Absent teachers may leave messages for substitute teachers via a telephone link.).

As per claim 15, Subfinder discloses the substitute fulfillment system of claim 9 wherein the organizations are unaffiliated (reference B, paragraph 10; Subfinder may be used across multiple school districts, which are not affiliated with each other.).

As per claim 16, Subfinder discloses the substitute fulfillment system of claim 9 wherein the workers are teachers and the substitute workers are substitute teachers (reference B, paragraph 1).

Claims 21 and 25 recite substantially similar subject matter to claim 9 above. Therefore claims 21 and 25 are rejected on the same basis as claim 9 above.

### ***Conclusion***

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to C. Michelle Colon whose telephone number is 571-272-6727. The examiner can normally be reached Monday – Friday from 8:30am to 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tariq Hafiz, can be reached at 571-272-6729.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

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[Official Communications; including After Final communications labeled "Box AF"]

571-273-6727

[For status inquiries, draft communication, labeled "Proposed" or "Draft"]

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C. Michelle Colón  
Patent Examiner  
Art Unit 3623

June 22, 2005